

IN THE CLAIMS

1. (Currently amended) An optical scanner, comprising:
 - a light sensing sensitive charge storage device;
 - an optical component system configured to pivot about at least two generally perpendicular axes;
 - a vibration sensor positioned mounted on the light sensitive charge storage device, the vibration sensor to detect capable of detecting a magnitude of vibration associated with [[of]] the light sensing sensitive charge storage device;
 - a controller connected to the vibration sensor, the controller configured to produce capable of producing an a corresponding actuator signal corresponding to the sensed vibration;
 - and
 - an actuator connected to the controller and to the optical component system, the actuator configured to pivot the optical component capable of adjusting the optical system according to the actuator signal.
2. (Currently amended) The optical scanner of claim 1, wherein the optical component comprises a mirror, and wherein pivoting the mirror dynamically re-positions a light path that terminates on the light sensing device in both vertical and lateral directions to account for the detected vibration, optical system comprises one or more mirrors, the actuator capable of adjusting the optical system through rotating the one or more mirrors.
3. (Cancelled)
4. (Currently amended) A method of compensating for vibration of an optical scanner, the method comprising:
 - measuring ~~a magnitude of vibration~~ associated with [[of]] a light sensing sensitive charge storage device using a vibration sensor ~~mounted on said light sensitive charge storage device~~;
 - converting the measured vibration ~~magnitude~~ into an actuator signal; and
 - adjusting a light path that intersects the light sensing device by pivoting an optical component about at least two generally perpendicular axes according to the actuator signal.

~~compensating for the measured vibration by adjusting an optical system according to the actuator signal.~~

5. (Currently amended) The method of claim 4, wherein the optical component comprises a mirror, and wherein the mirror is pivotally rotated according to the actuator signal. ~~adjusting the optical system comprises rotating one or more mirrors.~~

6. (Cancelled)

7. (Currently amended) An apparatus, comprising:
means for sensing a vibration of a light sensing sensitive charge storage device of an optical scanner relative to a housing of the optical scanner, wherein said means for sensing is mounted on said light sensing sensitive charge storage device;
means for converting said vibration to an actuator signal; and
means for adjusting an optical assembly system according to the actuator signal.

8. (Currently amended) The apparatus of claim 7, wherein said means for adjusting said optical assembly system comprises means for adjusting one or more mirrors.

9. (Cancelled)

10. (Cancelled)

11. (Currently amended) The optical scanner of claim 1 wherein said light sensing sensitive charge storage device comprises a charge-coupled device.

12. (Currently amended) An apparatus, comprising:
a light sensing device;
a vibration sensor ~~mountable on a light sensitive charge storage device for an optical scanner, said vibration sensor to isolate~~ capable of detecting a magnitude of vibration of said light sensing sensitive charge storage device from a magnitude of vibration of the apparatus and

~~produce producing a corresponding control signal; and capable of being employed to adjust the optics for said optical scanner.~~

an optical assembly configured to correct for the isolated magnitude of vibration of the light sensing device according to the corresponding control signal.

13. (Currently amended) The apparatus of claim 12, wherein:

said optical assembly ~~optics~~ comprises one or more mirrors.

14. (Currently amended) The apparatus of claim 12 wherein said light sensing ~~sensitive charge storage~~ device comprises a charge coupled device.

15. (Previously presented) The optical scanner of claim 1 further adapted to scan a document.

16. (Currently amended) The optical scanner of claim 1, wherein the optical component is adjustable vertically and laterally such that the sensed vibration is correctable independently of whether the light sensing device is adjustable. ~~wherein said vibration sensor is further capable of detecting movement.~~

17. (Currently amended) The optical scanner of claim 16, wherein said vibration sensor is configured to ~~capable of detecting movement is further capable of detect~~ vibration of the light sensing device ~~detecting movement~~ in any of the X, Y, or Z directions.

18. (Currently amended) The method of claim 4, wherein adjustments to the light path are selected to cause the light path to intersect the light sensing device at a constant fixed location on the light sensing device. ~~further comprising scanning a document.~~

19. (Currently amended) The method of claim 4, wherein the light path is adjusted vertically and laterally to correct for the measured vibration independently of whether the light sensing device is adjustable. ~~wherein said measuring a magnitude of vibration further comprises detecting movement.~~

20. (Currently amended) The method of claim 19, further comprising measuring vibration of the light sensing device ~~wherein said detecting movement further comprises detecting movement~~ in any of the X, Y, or Z directions.

21. (Currently amended) The apparatus of claim 7, further comprising ~~wherein said apparatus further comprises~~ means for scanning a document.

22. (Currently amended) The apparatus of claim 7, wherein said means for sensing the vibration of the light sensing device further comprises means for detecting movement.

23. (Previously presented) The apparatus of claim 22, wherein said means for detecting movement further comprises means for detecting movement in any of the X, Y, or Z directions.

24. (Currently amended) The apparatus of claim 16 ~~[[12]]~~, further comprising a transmission mechanism to drive the light sensing device along a direction of movement oriented non-parallel to the axes. ~~wherein said apparatus is further adapted to scan a document.~~

25. (Currently amended) The apparatus of claim 24 ~~[[12]]~~ wherein the axes extend vertically and laterally and the direction of movement of the light sensing device is oriented generally perpendicular with respect to the axes of rotation. ~~, wherein said vibration sensor is further capable of detecting movement.~~

26. (Previously presented) The apparatus of claim 25, wherein said vibration sensor is further capable of detecting movement in any of the X, Y, or Z directions.